

# SENSOR FLOAT® AND SENSOR FLOAT® MINI CONTROL FLOATS

**Mercury-activated, narrow-angle float switches designed to activate pump control panels and alarms.**

This narrow-angle sensing device is used to accurately monitor liquid levels in sewage and non-potable water applications. The **Sensor Float** control switch is not sensitive to rotation and is suitable for use with intrinsically safe circuits. Contact SJE Rhombus regarding specific intrinsically safe applications.

## **Normally Open Model (high level)**

The control switch turns on (closes) when the switch tips slightly **above** horizontal signaling a high level, and turns off (opens) when the switch drops slightly below horizontal.

## **Normally Closed Model (low level)**

The control switch turns on (closes) when the switch tips slightly **below** horizontal signaling a low level, and turns off (opens) when the switch tips slightly above horizontal.



## **SPECIFICATIONS**

- 125/250 VAC, 50/60 Hz, 5 Amps
- Flexible 18 gauge, 2 conductor SJOW, water-resistant (CPE) cable
- High impact, corrosion resistant, PVC float housing
- Temperature rating up to 60° C (140° F)
- Maximum water depth of 9 meters (30 feet) or 90 kPa (13 psi)
- Mercury tilt switch: single pole, single throw, mercury to mercury contacts hermetically sealed in a steel capsule and epoxy sealed in a float housing
- Control differential of 1 cm (.5 inches) above or below horizontal
- IPX8 enclosure protection



Member of  
**Hydraulic**

## **MODEL SPECIFIC SPECIFICATIONS**

<b>SENSOR FLOAT® control float</b>
Float Dimensions: 8.58 cm diameter x 11.56 cm long (3.38 inch x 4.55 inch)
Suitable for use with intrinsically safe circuits
*CE Compliant units available upon request
Suitable for Category II installations
Protected by double insulation
Three mounting options: <ul style="list-style-type: none"><li>• <b>Mounting clamp</b> for applications where the switch can be attached to a discharge pipe or similar mounting device.</li><li>• <b>Internally Weighted</b> for applications where the switch can be suspended from above.</li><li>• <b>Externally Weighted</b> for applications where the switch can be suspended from above.</li></ul>
<b>SENSOR FLOAT® MINI control float</b>
Float Dimensions: 7.14 cm diameter x 8.68 cm length (2.81 inch diameter x 3.42 inch length)
Not recommended for controlling electrical load less than 100 milliamps, 12 VAC or for non-arcing electrical loads
Two mounting options: <ul style="list-style-type: none"><li>• <b>Mounting clamp</b> for applications where the switch can be attached to a discharge pipe or similar mounting device.</li><li>• <b>Externally Weighted</b> for applications where the switch can be suspended from above.</li></ul>



**SJE RHOMBUS®**

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**SEE BACK SIDE FOR COMPLETE LISTING OF AVAILABLE OPTIONS.**

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Mercury-activated, narrow-angle float switches designed to activate pump control panels and alarms.

## ORDERING INFORMATION

SENSOR FLOAT® Control Float				
PART NUMBER		DESCRIPTION		SHIPPING WEIGHT
Normally Open	Normally Closed	Cable Length	Mounting Device	
1004334	1004335	3 Meters	Mounting Clamp	0.89 kg
1004342	1004343	3 Meters	Internal Weight	1.14 kg
1004350	1004351	3 Meters	Cable Weight	1.74 kg
1004336	1004337	5 Meters	Mounting Clamp	1.09 kg
1004344	1004345	5 Meters	Internal Weight	1.34 kg
1004352	1004353	5 Meters	Cable Weight	1.94 kg
1004530	1004531	6 Meters	Mounting Clamp	1.21 kg
1004532	1004533	6 Meters	Internal Weight	1.47 kg
1004534	1004535	6 Meters	Cable Weight	2.07 kg
1004338	1004339	10 Meters	Mounting Clamp	1.58 kg
1004346	1004347	10 Meters	Internal Weight	1.83 kg
1004354	1004355	10 Meters	Cable Weight	2.43 kg
1010031	1010032	20 Meters	Mounting Clamp	2.45 kg
1010033	1010034	20 Meters	Internal Weight	2.79 kg
1010035	1010036	20 Meters	Cable Weight	3.35 kg
SENSOR FLOAT® MINI Control Float				
PART NUMBER		DESCRIPTION		SHIPPING WEIGHT
Normally Open	Normally Closed	Cable Length	Mounting Device	
1004358	1004359	3 Meters	Mounting Clamp	0.51 kg
1004366	1004367	3 Meters	Cable Weight	1.36 kg
1004360	1004361	5 Meters	Mounting Clamp	0.71 kg
1004368	1004369	5 Meters	Cable Weight	1.56 kg
1004536	1004537	6 Meters	Mounting Clamp	0.83 kg
1004538	1004539	6 Meters	Cable Weight	1.68 kg
1004362	1004363	10 Meters	Mounting Clamp	1.20 kg
1004370	1004371	10 Meters	Cable Weight	2.05 kg

**Normally Open (High Level) Operation** - The control switch closes (turns on) when the switch tips slightly **above** horizontal signaling a high level, and opens (turns off) when the switch drops slightly **below** horizontal in non-potable water, water or sewage applications.

**Normally Closed (Low Level) Operation** - The control switch closes (turns on) when the switch drops slightly **below** horizontal signaling a low level, and opens (turns off) when the switch tips slightly **above** horizontal in non-potable water, water or sewage applications.

**SEE INTERNATIONAL PRICE BOOK FOR LIST PRICING.**

## OPTIONS

Bagged Packaging is standard.



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